2018년 10월 16일 화요일 오전 8:5

1943 MCP
$$\frac{1}{12}$$

"Weight" ($\frac{1}{12}$ $\frac{1}{12}$)

X₁ W₁ \rightarrow 0.01

X₂ W₂ \rightarrow 1.0

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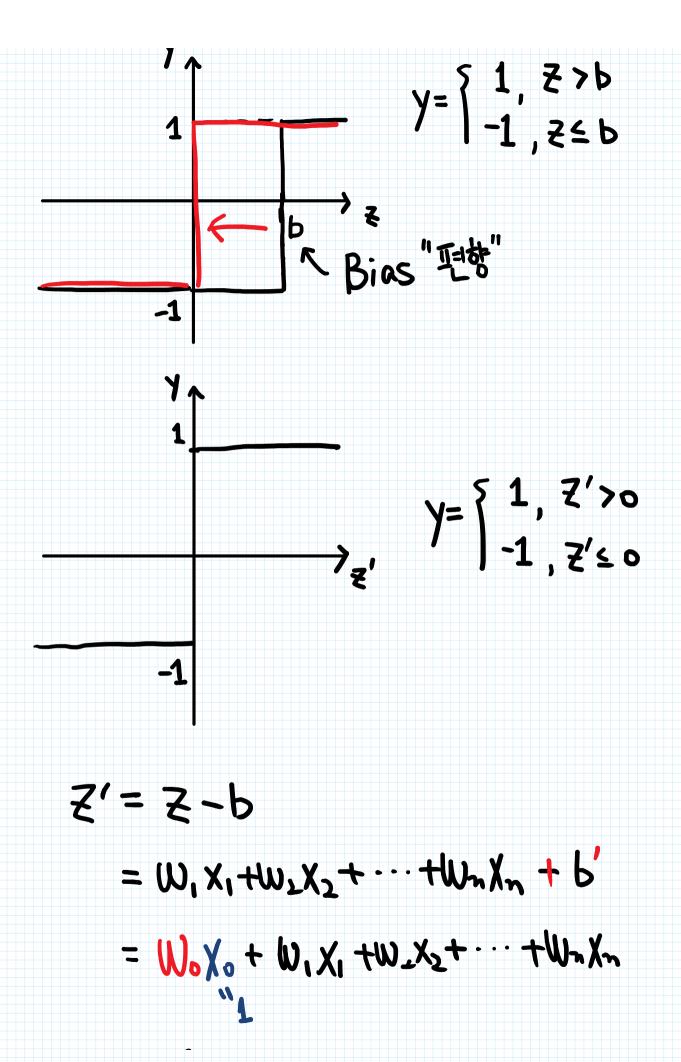
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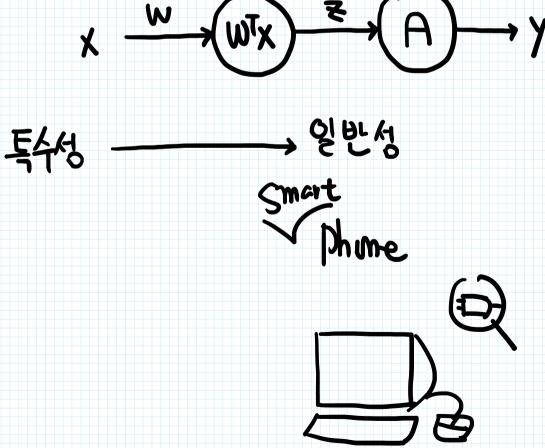
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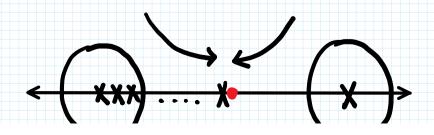
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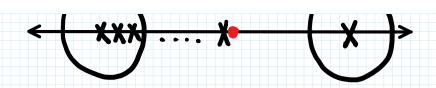
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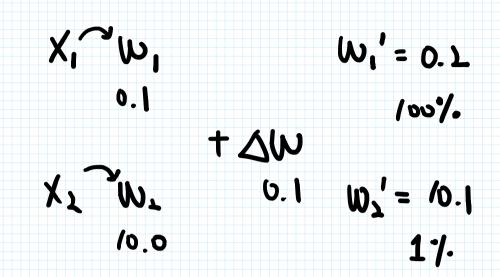


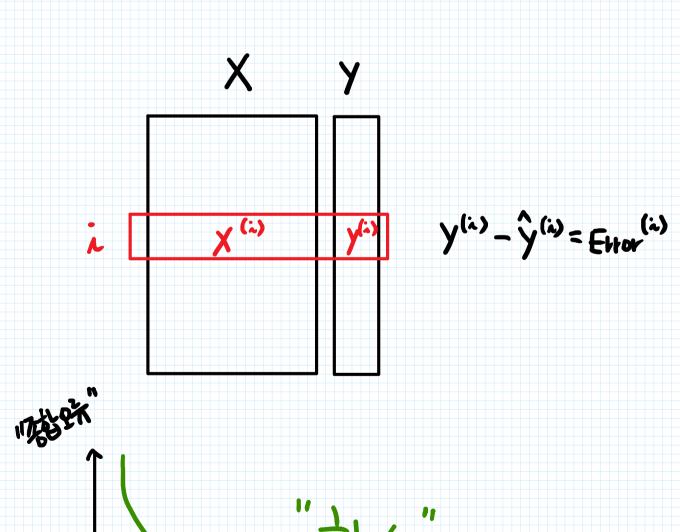
=
$$\sum_{b} w_{i}x_{i}$$
, $x_{o}=1$
= $w^{T}x$, $w=[w_{o}^{b}\cdots w_{n}]$
= $w^{T}x+b$, $y^{t}y^{t}$
 $w^{t}x+b$, $y^{t}y^{t}$

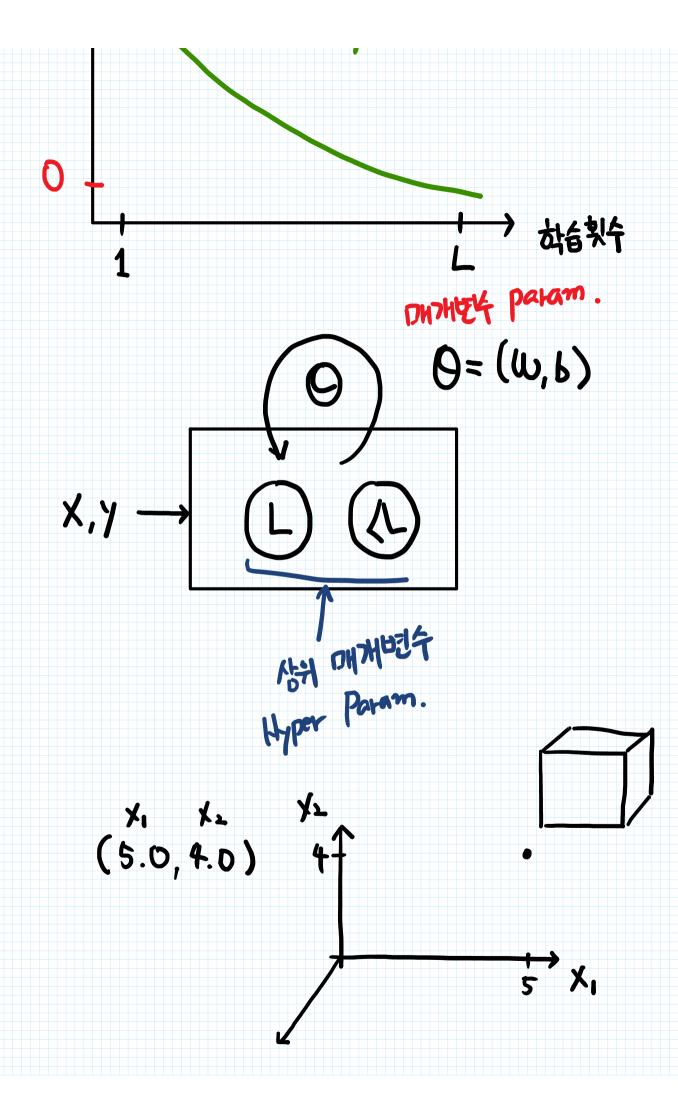


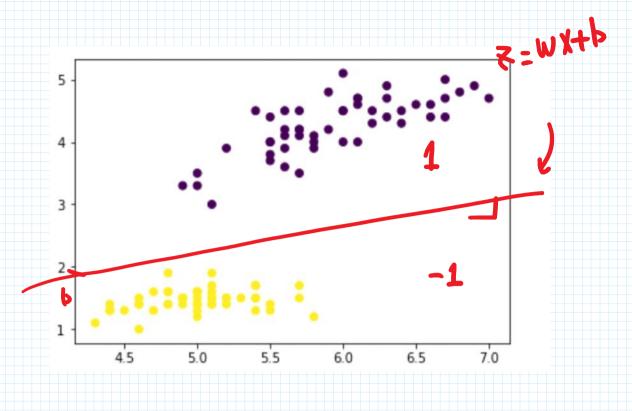


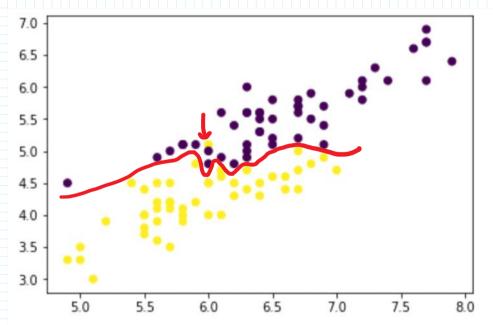




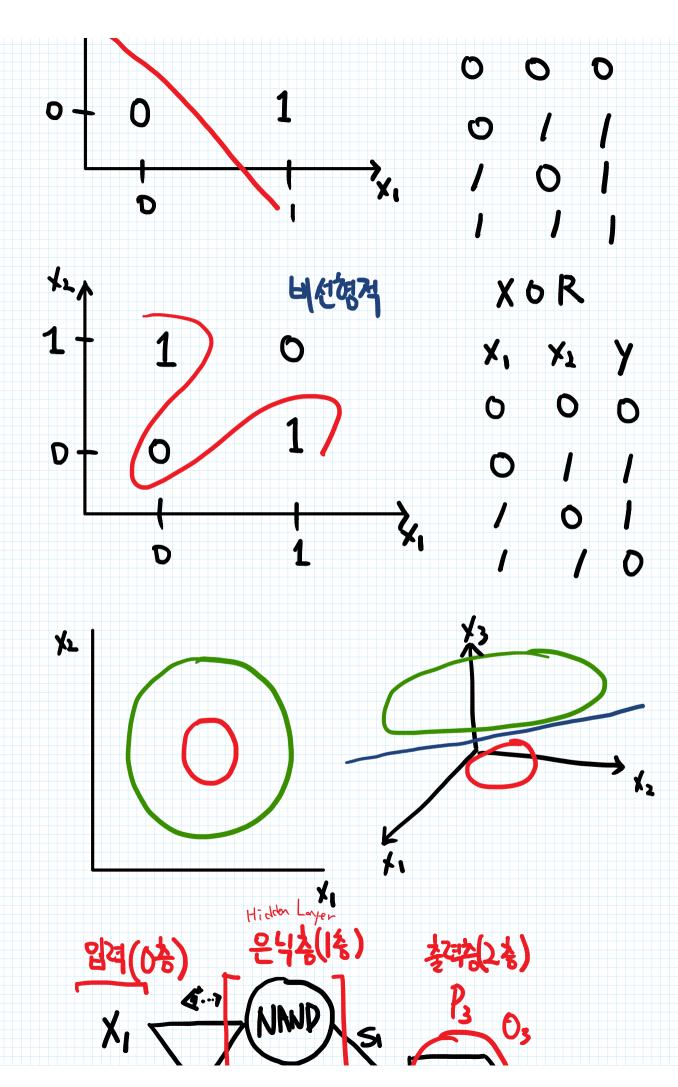


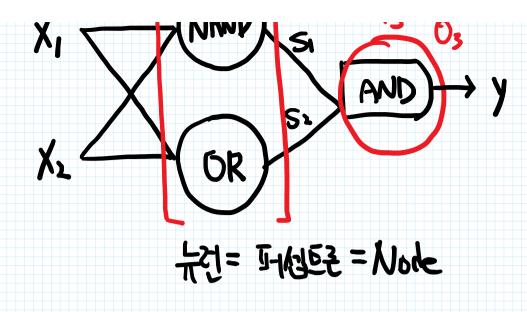






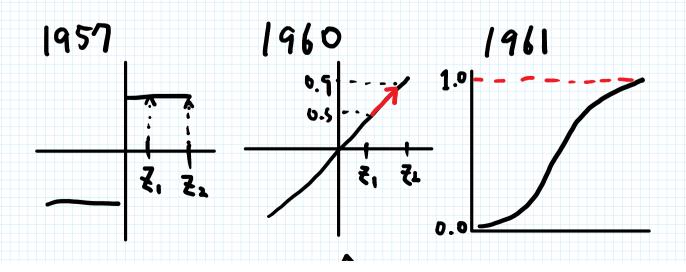






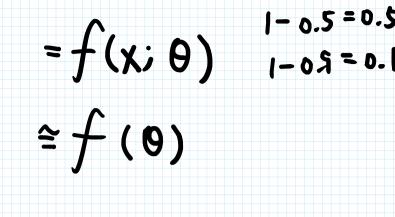
$$x + (w^Tx - A) \rightarrow y$$

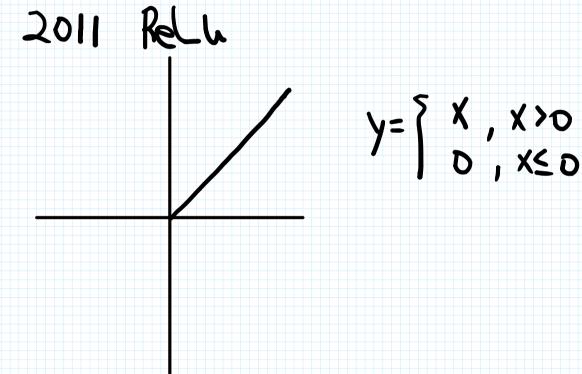
$$A(x)=\begin{cases} 1 & x>0 \\ -1 & x\leq 0 \end{cases}$$

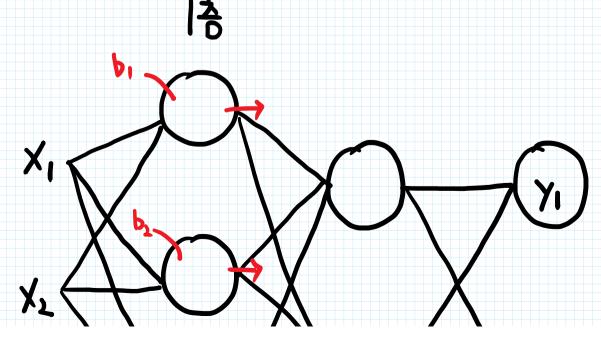


$$Z = W^{T}X + b$$
 $Y - \tilde{Y}$
 $= f(X; \theta)$ $|-0.5 = 0.5$
 $= f(X; \theta)$ $|-0.5 = 0.1$
 $= f(\theta)$

P(y Ixid)







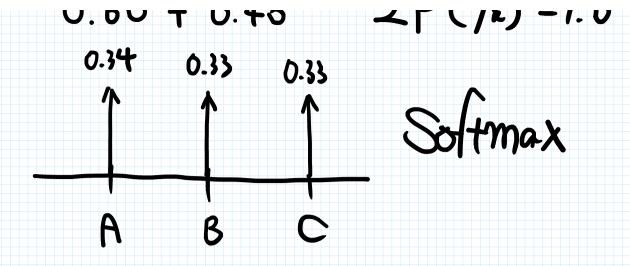
$$W = \begin{bmatrix} W_{11}^{(1)} & W_{21}^{(1)} & W_{31}^{(1)} \\ W_{11}^{(2)} & W_{21}^{(3)} & W_{31}^{(3)} \end{bmatrix}$$

$$W = \begin{bmatrix} W_{11}^{(2)} & W_{21}^{(3)} & W_{21}^{(3)} \\ W_{13}^{(2)} & W_{23}^{(3)} & W_{23}^{(3)} \end{bmatrix}$$

$$W = \begin{bmatrix} W_{11}^{(3)} & W_{21}^{(3)} & W_{23}^{(3)} \\ W_{13}^{(3)} & W_{23}^{(3)} & W_{23}^{(3)} \end{bmatrix}$$

$$(x) \rightarrow (h_1) \rightarrow (h_2) \rightarrow (y)$$
 $(2,3)$
 $(3,2)$
 $(2,2)$

•



[Y, Y, Y]
O X \(\triangle \)